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[54]	ROTATION CONTROL APPARATUS
	OPERATING WITH A SYNC SIGNAL
	HAVING VARIABLE INTERVALS

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Related U.S. Application Data

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[50]	Loreign	Application	Thorney Date	а

Mar.	13, 1996	[JP]	Japan		•••••	• • • • • • • • • • • • • • • • • • • •	8-8	4578
[51]	Int. Cl.6					G1	1B	7/00
[52]	U.S. Cl.						36	9/47
[58]	Field of	Search			369	/47,	50,	, 60,
				360/44/36	54	50	10	124

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[57] ABSTRACT

A rotation control apparatus which can maintain an accurate rotating state even in a high density optical disk (DVD) having a structure such that parts of the sync signal are recorded at an interval different from that of the other sync signal parts. The apparatus has: a unit period signal generator for generating a period signal of a unit period; a pre-pit detector for detecting a pre-pit from the DVD; a phase difference detector for detecting a phase difference between the detection timing of the pre-pit and the unit period signal; and a holding circuit for holding the phase difference detected. The rotation of the DVD is controlled on the basis of the phase difference held at the holding circuit.

4 Claims, 11 Drawing Sheets

